

8. NEW CALIBRATION TABLES

This section contains additional tables or replacements of tables found in the first calibration report (Rossow et al. 1992). The re-analysis of the normalization and trends of VIS and IR calibrations for the polar orbiters relative to NOAA-9 produces corrections to the original normalization relative to NOAA-7. The original normalization coefficients are given in Table 2.18 in the first calibration report, which is repeated below for convenience. Two new tables, Tables 2.18b and 2.18c, shows the corrections to the first normalization that are applied **in addition** to the original adjustments shown in Table 2.18 to arrive at the final adjustments shown in the replacement tables in the next sections. Note, that in the BT datasets, the Normalized tables include the effects of the first trend corrections in addition to the normalizations shown in the three parts of Table 2.18. The correction coefficients shown in the tables are to be applied to scaled radiances or brightness temperatures determined from the Nominal calibrations given in the first report (Rossow et al 1992).

Table 2.18a. First version of the Normalized coefficients for the polar orbiters relative to NOAA-7 as the standard (see equations 1.3 and 1.4 in the first calibration report). The slope value is the multiplicative adjustment and the intercept is the additive adjustment. Intercepts for the VIS scaled radiances have no units; radiances vary between 0 and 1.0. Intercepts for IR brightness temperatures are in Kelvins.

Satellite	Visible (fraction)		Infrared (Kelvin)	
	Slope	Interc	Slope	Interc
NOAA-7	1.000	0.000	1.000	0.0
NOAA-8	1.000	0.000	1.000	0.0
NOAA-9	0.835	0.002	1.000	0.0
NOAA-10	0.850	0.002	1.076	-21.9
NOAA-11	0.940	0.001	1.067	-19.0

Table 2.18b. Normalized and Absolute adjustments of visible radiances for the polar orbiters relative to the first version of NOAA-9 calibration shown in Table 2.18 in the first calibration report. The first value in each column is the multiplicative adjustment and the second value is the additive adjustment with no units (ie., for scaled radiances from 0 to 1.0). Final values are obtained by application to the Normalized coefficients followed by application of the Absolute coefficients, where months are counted consecutively starting with the second month of dates for each particular satellite. This information is contained in Tables 8.1a, 8.2a, 8.3a, 8.4a, 8.5a, and 8.6a.

Satellite	Normalized Coefficients		Absolute Coefficients	
NOAA-7	0.9200	-0.001	1.00105**month	0.0000
NOAA-8	0.9960	0.000	1.00141**month	0.0000
NOAA-9	1.0000	0.000	1.00125**month	-0.0029
NOAA-10	1.0665	0.000	1.00126**month	0.0000
NOAA-11	1.0940	0.000	0.99860**month	0.0000
NOAA-12	0.9080	0.000	1.00453**month	0.0000

Table 2.18c. Normalized and Absolute coefficients of the IR radiances for the polar orbiters relative to NOAA-9 calibration shown in Table 2.18 in the first calibration report. The first value is the multiplicative adjustment and the second value is the additive adjustment in Kelvins. Final values are obtained by application to the Normalized coefficients followed by application of the Absolute coefficients.

Satellite	Normalized Coefficients		Absolute Coefficients	
NOAA-7	1.030	-8.6	1.000	0.00
NOAA-8	1.030	-9.0	1.000	0.00
NOAA-9	1.000	0.0	1.000	0.00
NOAA-10	1.000	0.0	1.000	0.00
NOAA-11	1.000	-0.5	1.000	0.00
NOAA-12	1.038	-11.0	1.000	0.00

8.1. Replacements for NOAA Tables 2.19, 2.20, 2.21, 2.22, 2.23, and 2.24, Plus Additions for NOAA-7, NOAA-8 and NOAA-12

Note: The Normalized coefficients in the following tables combine the entries in Table 2.18a, 2.18b, and 2.18c and are not the same as the Normalized tables in the BT dataset. The Absolute coefficients combine all ISCCP calibration adjustments, including the aircraft calibration, to produce the Absolute tables in the BT dataset.

Table 8.1a (NEW). Normalized and Absolute calibration coefficients for NOAA-7 VIS scaled radiances (0 to 1, AVHRR Channel 1).

Month		<u>Normalization</u>		<u>Trend</u>		<u>Total Correction</u>	
		Slope	Intercept	Slope	Intercept	Slope	Intercept
AUG	81	0.920	-0.001	1.192	0.002	1.097	0.001
SEP	81	0.920	-0.001	1.193	0.002	1.098	0.001
OCT	81	0.920	-0.001	1.195	0.002	1.099	0.001
NOV	81	0.920	-0.001	1.196	0.002	1.100	0.001
DEC	81	0.920	-0.001	1.197	0.002	1.101	0.001
JAN	82	0.920	-0.001	1.198	0.002	1.102	0.001
FEB	82	0.920	-0.001	1.200	0.002	1.104	0.001
MAR	82	0.920	-0.001	1.201	0.002	1.105	0.001
APR	82	0.920	-0.001	1.202	0.002	1.106	0.001
MAY	82	0.920	-0.001	1.203	0.002	1.107	0.001
JUN	82	0.920	-0.001	1.205	0.002	1.109	0.001
JUL	82	0.920	-0.001	1.206	0.002	1.110	0.001
AUG	82	0.920	-0.001	1.207	0.002	1.110	0.001
SEP	82	0.920	-0.001	1.208	0.002	1.111	0.001
OCT	82	0.920	-0.001	1.210	0.002	1.113	0.001
NOV	82	0.920	-0.001	1.211	0.002	1.114	0.001
DEC	82	0.920	-0.001	1.212	0.002	1.115	0.001
JAN	83	0.920	-0.001	1.213	0.002	1.116	0.001
FEB	83	0.920	-0.001	1.215	0.002	1.118	0.001
MAR	83	0.920	-0.001	1.216	0.002	1.119	0.001
APR	83	0.920	-0.001	1.217	0.002	1.120	0.001
MAY	83	0.920	-0.001	1.219	0.002	1.121	0.001
JUN	83	0.920	-0.001	1.220	0.002	1.122	0.001
JUL	83	0.920	-0.001	1.221	0.002	1.123	0.001
AUG	83	0.920	-0.001	1.222	0.002	1.124	0.001
SEP	83	0.920	-0.001	1.224	0.002	1.126	0.001
OCT	83	0.920	-0.001	1.225	0.002	1.127	0.001
NOV	83	0.920	-0.001	1.226	0.002	1.128	0.001
DEC	83	0.920	-0.001	1.228	0.002	1.130	0.001
JAN	84	0.920	-0.001	1.229	0.002	1.131	0.001
FEB	84	0.920	-0.001	1.230	0.002	1.132	0.001
MAR	84	0.920	-0.001	1.231	0.002	1.133	0.001
APR	84	0.920	-0.001	1.233	0.002	1.134	0.001
MAY	84	0.920	-0.001	1.234	0.002	1.135	0.001
JUN	84	0.920	-0.001	1.235	0.002	1.136	0.001
JUL	84	0.920	-0.001	1.237	0.002	1.138	0.001

AUG	84	0.920	-0.001	1.238	0.002	1.139	0.001
SEP	84	0.920	-0.001	1.239	0.002	1.140	0.001
OCT	84	0.920	-0.001	1.240	0.002	1.141	0.001
NOV	84	0.920	-0.001	1.242	0.002	1.143	0.001
DEC	84	0.920	-0.001	1.243	0.002	1.144	0.001
JAN	85	0.920	-0.001	1.244	0.002	1.144	0.001
FEB	85	0.920	-0.001	1.246	0.002	1.146	0.001

Table 8.1b (NEW). Normalized and Absolute calibration coefficients for NOAA-7 IR brightness temperatures in Kelvins (AVHRR Channel 4).

Month/Yr	<u>Normalized</u>		<u>Absolute</u>		<u>Total Correction</u>	
	Slope	Intercept	Slope	Intercept	Slope	Intercept
AUG 81	1.030	-8.6	1.000	0.00	1.030	-8.6
:						
:						
FEB 85	1.030	-8.6	1.000	0.00	1.030	-8.6

Table 8.2a (NEW). Normalized and Absolute calibration coefficients for NOAA-8 VIS scaled radiances (0 to 1, AVHRR Channel 1).

Month	<u>Normalization</u>		<u>Trend</u>		<u>Total Correction</u>	
	Slope	Intercept	Slope	Intercept	Slope	Intercept
OCT 83	0.966	0.000	1.192	0.002	1.151	0.002
NOV 83	0.966	0.000	1.194	0.002	1.153	0.002
DEC 83	0.966	0.000	1.195	0.002	1.154	0.002
JAN 84	0.966	0.000	1.197	0.002	1.156	0.002
FEB 84	0.966	0.000	1.199	0.002	1.158	0.002
MAR 84	0.966	0.000	1.200	0.002	1.159	0.002
APR 84	0.966	0.000	1.202	0.002	1.161	0.002
MAY 84	0.966	0.000	1.204	0.002	1.163	0.002
JUN 84	0.966	0.000	1.206	0.002	1.165	0.002

Table 8.2b (NEW). Normalized and Absolute calibration coefficients for NOAA-8 IR brightness temperatures in Kelvins (AVHRR Channel 4).

Month/Yr	<u>Normalized</u>		<u>Absolute</u>		<u>Total Correction</u>	
	Slope	Intercept	Slope	Intercept	Slope	Intercept
OCT 83	1.030	-9.0	1.000	0.00	1.030	-9.0
:						
:						
JUN 84	1.030	-9.0	1.000	0.00	1.030	-9.0

Table 8.3a (replaces Table 2.19). Normalized and Absolute calibration coefficients for NOAA-9 VIS scaled radiances (0 to 1, AVHRR Channel 1).

Month		<u>Normalization</u>		<u>Trend</u>		<u>Total Correction</u>	
		Slope	Intercept	Slope	Intercept	Slope	Intercept
FEB	85	0.835	0.002	1.192	-0.001	0.995	0.001
MAR	85	0.835	0.002	1.198	-0.001	1.000	0.001
APR	85	0.835	0.002	1.203	-0.001	1.005	0.001
MAY	85	0.835	0.002	1.208	-0.001	1.009	0.001
JUN	85	0.835	0.002	1.217	-0.001	1.016	0.001
JUL	85	0.835	0.002	1.220	-0.001	1.019	0.001
AUG	85	0.835	0.002	1.226	-0.001	1.024	0.001
SEP	85	0.835	0.002	1.233	-0.001	1.030	0.001
OCT	85	0.835	0.002	1.238	-0.001	1.034	0.001
NOV	85	0.835	0.002	1.245	-0.001	1.040	0.001
DEC	85	0.835	0.002	1.252	-0.002	1.045	0.001
JAN	86	0.835	0.002	1.257	-0.002	1.050	0.001
FEB	86	0.835	0.002	1.263	-0.002	1.055	0.001
MAR	86	0.835	0.002	1.271	-0.002	1.061	0.001
APR	86	0.835	0.002	1.275	-0.002	1.065	0.001
MAY	86	0.835	0.002	1.284	-0.002	1.072	0.001
JUN	86	0.835	0.002	1.289	-0.002	1.076	0.001
JUL	86	0.835	0.002	1.296	-0.002	1.082	0.001
AUG	86	0.835	0.002	1.301	-0.002	1.086	0.001
SEP	86	0.835	0.002	1.308	-0.002	1.092	0.001
OCT	86	0.835	0.002	1.314	-0.002	1.097	0.001
NOV	86	0.835	0.002	1.321	-0.002	1.103	0.001
DEC	86	0.835	0.002	1.326	-0.002	1.107	0.001
JAN	87	0.835	0.002	1.334	-0.002	1.114	0.001
FEB	87	0.835	0.002	1.340	-0.002	1.119	0.001
MAR	87	0.835	0.002	1.346	-0.002	1.124	0.001
APR	87	0.835	0.002	1.353	-0.002	1.130	0.001
MAY	87	0.835	0.002	1.360	-0.002	1.136	0.001
JUN	87	0.835	0.002	1.365	-0.002	1.140	0.001
JUL	87	0.835	0.002	1.374	-0.002	1.147	0.001
AUG	87	0.835	0.002	1.381	-0.002	1.153	0.001
SEP	87	0.835	0.002	1.386	-0.002	1.157	0.001
OCT	87	0.835	0.002	1.394	-0.002	1.164	0.001
NOV	87	0.835	0.002	1.400	-0.002	1.169	0.001
DEC	87	0.835	0.002	1.406	-0.002	1.174	0.001
JAN	88	0.835	0.002	1.413	-0.002	1.180	0.001
FEB	88	0.835	0.002	1.420	-0.002	1.186	0.001
MAR	88	0.835	0.002	1.426	-0.002	1.191	0.001
APR	88	0.835	0.002	1.435	-0.002	1.198	0.002
MAY	88	0.835	0.002	1.441	-0.002	1.203	0.002
JUN	88	0.835	0.002	1.448	-0.002	1.209	0.002

JUL	88	0.835	0.002	1.456	-0.002	1.216	0.002
AUG	88	0.835	0.002	1.462	-0.002	1.221	0.002
SEP	88	0.835	0.002	1.469	-0.002	1.227	0.002
OCT	88	0.835	0.002	1.477	-0.002	1.233	0.002

Table 8.3b (replaces Table 2.20). Normalized and Absolute calibration coefficients for NOAA-9 IR brightness temperatures in Kelvins (AVHRR Channel 4).

Month/Yr	Normalized		Absolute		Total Correction	
	Slope	Intercept	Slope	Intercept	Slope	Intercept
FEB 85	1.000	0.0	1.000	0.0	1.000	0.0
:						
SEP 86	1.000	0.0	1.000	0.0	1.000	0.0
OCT 86	1.028	-8.5	1.000	0.0	1.028	-8.5
NOV 86	1.000	0.0	1.000	0.0	1.000	0.0
:						
FEB 87	1.000	0.0	1.000	0.0	1.000	0.0
MAR 87	1.038	-11.5	1.000	0.0	1.038	-11.5
APR 87	1.000	0.0	1.000	0.0	1.000	0.0
:						
SEP 87	1.000	0.0	1.000	0.0	1.000	0.0
OCT 87	1.038	-11.5	1.000	0.0	1.038	-11.5
:						
OCT 88	1.038	-11.5	1.000	0.0	1.038	-11.5

Table 8.4a (replaces Table 2.21). Normalized and Absolute calibration coefficients for NOAA-10 VIS scaled radiances (0 to 1, AVHRR Channel 1).

Month	Normalization		Trend		Total Correction	
	Slope	Intercept	Slope	Intercept	Slope	Intercept
DEC 86	0.907	0.002	1.192	0.002	1.081	0.004
JAN 87	0.907	0.002	1.198	0.002	1.087	0.004
FEB 87	0.907	0.002	1.203	0.002	1.091	0.004
MAR 87	0.907	0.002	1.208	0.002	1.096	0.004
APR 87	0.907	0.002	1.215	0.002	1.102	0.004
MAY 87	0.907	0.002	1.223	0.002	1.109	0.004
JUN 87	0.907	0.002	1.226	0.002	1.112	0.004
JUL 87	0.907	0.002	1.234	0.002	1.119	0.004
AUG 87	0.907	0.002	1.240	0.002	1.125	0.004
SEP 87	0.907	0.002	1.246	0.002	1.130	0.004
OCT 87	0.907	0.002	1.253	0.001	1.136	0.004
NOV 87	0.907	0.002	1.258	0.001	1.141	0.004
DEC 87	0.907	0.002	1.264	0.001	1.146	0.004
JAN 88	0.907	0.002	1.271	0.001	1.153	0.004
FEB 88	0.907	0.002	1.277	0.001	1.158	0.004
MAR 88	0.907	0.002	1.283	0.001	1.164	0.004
APR 88	0.907	0.002	1.290	0.001	1.170	0.004
MAY 88	0.907	0.002	1.296	0.001	1.175	0.004
JUN 88	0.907	0.002	1.302	0.001	1.181	0.004
JUL 88	0.907	0.002	1.310	0.001	1.188	0.004
AUG 88	0.907	0.002	1.316	0.001	1.194	0.004
SEP 88	0.907	0.002	1.323	0.001	1.200	0.004
OCT 88	0.907	0.002	1.329	0.001	1.205	0.004
NOV 88	0.907	0.002	1.335	0.001	1.211	0.004
DEC 88	0.907	0.002	1.343	0.001	1.218	0.004
JAN 89	0.907	0.002	1.348	0.001	1.223	0.004
FEB 89	0.907	0.002	1.356	0.001	1.230	0.004
MAR 89	0.907	0.002	1.362	0.001	1.235	0.004
APR 89	0.907	0.002	1.368	0.001	1.241	0.004
26 MAY 89	0.907	0.002	1.375	0.001	1.247	0.004
27 MAY 89	0.993	-0.004	1.236	0.002	1.227	-0.003
JUN 89	0.993	-0.004	1.238	0.002	1.229	-0.003
JUL 89	0.993	-0.004	1.239	0.002	1.230	-0.003
AUG 89	0.993	-0.004	1.241	0.002	1.232	-0.003
SEP 89	0.993	-0.004	1.243	0.002	1.234	-0.003
OCT 89	0.993	-0.004	1.244	0.002	1.235	-0.003
NOV 89	0.993	-0.004	1.246	0.002	1.237	-0.003
DEC 89	0.993	-0.004	1.247	0.002	1.238	-0.003
JAN 90	0.993	-0.004	1.249	0.002	1.240	-0.003
FEB 90	0.993	-0.004	1.250	0.002	1.241	-0.003
MAR 90	0.993	-0.004	1.252	0.002	1.243	-0.003

APR	90	0.993	-0.004	1.254	0.002	1.245	-0.003
MAY	90	0.993	-0.004	1.255	0.002	1.246	-0.003
JUN	90	0.993	-0.004	1.257	0.002	1.248	-0.003
JUL	90	0.993	-0.004	1.258	0.002	1.249	-0.003
AUG	90	0.993	-0.004	1.260	0.002	1.251	-0.003
SEP	90	0.993	-0.004	1.261	0.002	1.252	-0.003
OCT	90	0.993	-0.004	1.263	0.002	1.254	-0.003
NOV	90	0.993	-0.004	1.265	0.002	1.256	-0.003
DEC	90	0.993	-0.004	1.266	0.002	1.257	-0.003
JAN	91	0.993	-0.004	1.267	0.002	1.259	-0.003
FEB	91	0.993	-0.004	1.269	0.002	1.260	-0.003
MAR	91	0.993	-0.004	1.271	0.002	1.262	-0.003
APR	91	0.993	-0.004	1.273	0.002	1.264	-0.003
MAY	91	0.993	-0.004	1.274	0.002	1.265	-0.003
JUN	91	0.993	-0.004	1.276	0.002	1.267	-0.003
JUL	91	0.993	-0.004	1.277	0.002	1.268	-0.003
AUG	91	0.993	-0.004	1.279	0.002	1.270	-0.003
SEP	91	0.993	-0.004	1.281	0.002	1.272	-0.003

Table 8.4b (replaces Table 2.22). Normalized and Absolute calibration coefficients for NOAA-10 IR brightness temperatures in Kelvins (AVHRR Channel 4).

Month/Yr	Normalized		Absolute		Total Correction	
	Slope	Intercept	Slope	Intercept	Slope	Intercept
DEC 86	1.076	-21.9	1.000	0.00	1.076	-21.9
:						
SEP 91	1.076	-21.9	1.000	0.00	1.076	-21.9

Table 8.5a (replaces Table 2.23). Normalized and Absolute calibration coefficients for NOAA-11 VIS scaled radiances (0 to 1, AVHRR Channel 1).

Month	<u>Normalization</u>		<u>Trend</u>		<u>Total Correction</u>	
	Slope	Intercept	Slope	Intercept	Slope	Intercept
NOV 88	1.028	0.001	1.192	0.002	1.225	0.003
DEC 88	1.028	0.001	1.190	0.002	1.223	0.003
JAN 89	1.028	0.001	1.189	0.002	1.222	0.003
FEB 89	1.028	0.001	1.187	0.002	1.220	0.003
MAR 89	1.028	0.001	1.185	0.002	1.218	0.003
APR 89	1.028	0.001	1.184	0.002	1.217	0.003
MAY 89	1.028	0.001	1.182	0.002	1.215	0.003
JUN 89	1.028	0.001	1.180	0.002	1.213	0.003
JUL 89	1.028	0.001	1.179	0.002	1.212	0.003
AUG 89	1.028	0.001	1.177	0.002	1.210	0.003
SEP 89	1.028	0.001	1.175	0.002	1.208	0.003
OCT 89	1.028	0.001	1.174	0.002	1.207	0.003
NOV 89	1.028	0.001	1.172	0.002	1.205	0.003
DEC 89	1.028	0.001	1.170	0.002	1.203	0.003
JAN 90	1.028	0.001	1.169	0.002	1.202	0.003
FEB 90	1.028	0.001	1.167	0.002	1.200	0.003
MAR 90	1.028	0.001	1.166	0.002	1.199	0.003
APR 90	1.028	0.001	1.164	0.002	1.197	0.003
MAY 90	1.028	0.001	1.162	0.002	1.195	0.003
JUN 90	1.028	0.001	1.161	0.002	1.194	0.003
JUL 90	1.028	0.001	1.159	0.002	1.191	0.003
AUG 90	1.028	0.001	1.157	0.002	1.189	0.003
SEP 90	1.028	0.001	1.156	0.002	1.188	0.003
OCT 90	1.028	0.001	1.154	0.002	1.186	0.003
NOV 90	1.028	0.001	1.153	0.002	1.185	0.003
DEC 90	1.028	0.001	1.151	0.002	1.183	0.003
JAN 91	1.028	0.001	1.149	0.002	1.181	0.003
FEB 91	1.028	0.001	1.148	0.002	1.180	0.003
MAR 91	1.028	0.001	1.146	0.002	1.178	0.003
APR 91	1.028	0.001	1.145	0.002	1.177	0.003
MAY 91	1.028	0.001	1.143	0.002	1.175	0.003
JUN 91	1.028	0.001	1.141	0.002	1.173	0.003
JUL 91	1.028	0.001	1.140	0.002	1.172	0.003
AUG 91	1.028	0.001	1.138	0.002	1.170	0.003
SEP 91	1.028	0.001	1.137	0.002	1.169	0.003
OCT 91	1.028	0.001	1.135	0.002	1.167	0.003
NOV 91	1.028	0.001	1.133	0.002	1.165	0.003
DEC 91	1.028	0.001	1.132	0.002	1.164	0.003
JAN 92	1.028	0.001	1.130	0.002	1.162	0.003
FEB 92	1.028	0.001	1.129	0.002	1.161	0.003
MAR 92	1.028	0.001	1.127	0.002	1.159	0.003

APR	92	1.028	0.001	1.125	0.002	1.157	0.003
MAY	92	1.028	0.001	1.124	0.002	1.155	0.003
JUN	92	1.028	0.001	1.123	0.002	1.153	0.003
JUL	92	1.028	0.001	1.121	0.002	1.152	0.003
AUG	92	1.028	0.001	1.119	0.002	1.150	0.003
SEP	92	1.028	0.001	1.118	0.002	1.149	0.003
OCT	92	1.028	0.001	1.116	0.002	1.147	0.003
NOV	92	1.028	0.001	1.114	0.002	1.145	0.003
DEC	92	1.028	0.001	1.113	0.002	1.144	0.003
JAN	93	1.028	0.001	1.111	0.002	1.142	0.003
FEB	93	1.028	0.001	1.110	0.002	1.141	0.003
MAR	93	1.028	0.001	1.108	0.002	1.139	0.003
APR	93	1.028	0.001	1.107	0.002	1.138	0.003
MAY	93	1.028	0.001	1.105	0.002	1.136	0.003
JUN	93	1.028	0.001	1.104	0.002	1.135	0.003
JUL	93	1.028	0.001	1.102	0.002	1.133	0.003
AUG	93	1.028	0.001	1.101	0.002	1.132	0.003
SEP	93	1.028	0.001	1.099	0.002	1.130	0.003
OCT	93	1.028	0.001	1.097	0.002	1.128	0.003
NOV	93	1.028	0.001	1.096	0.002	1.127	0.003
DEC	93	1.028	0.001	1.094	0.002	1.125	0.003
JAN	94	1.028	0.001	1.093	0.002	1.124	0.003
FEB	94	1.028	0.001	1.091	0.002	1.122	0.003
MAR	94	1.028	0.001	1.090	0.002	1.121	0.003
APR	94	1.028	0.001	1.088	0.002	1.118	0.003
MAY	94	1.028	0.001	1.087	0.002	1.117	0.003
JUN	94	1.028	0.001	1.085	0.002	1.115	0.003
JUL	94	1.028	0.001	1.084	0.002	1.114	0.003
AUG	94	1.028	0.001	1.082	0.002	1.112	0.003
SEP	94	1.028	0.001	1.081	0.002	1.111	0.003

Table 8.5b (replaces Table 2.24). Normalized and Absolute calibration coefficients for NOAA-11 IR brightness temperatures in Kelvins (AVHRR Channel 4).

Month/Yr	Normalized		Absolute		Total Correction	
	Slope	Intercept	Slope	Intercept	Slope	Intercept
NOV 88	1.067	-19.5	1.000	0.00	1.067	-19.5
:						
SEP 94	1.067	-19.5	1.000	0.00	1.067	-19.5

Table 8.6a (NEW). Normalized and Absolute calibration coefficients for NOAA-12 VIS scaled radiances (0 to 1, AVHRR Channel 1).

Month		<u>Normalization</u>		<u>Trend</u>		<u>Total Correction</u>	
		Slope	Intercept	Slope	Intercept	Slope	Intercept
AUG	91	0.908	0.000	1.192	0.002	1.082	0.002
SEP	91	0.908	0.000	1.197	0.002	1.087	0.002
OCT	91	0.908	0.000	1.203	0.002	1.092	0.002
NOV	91	0.908	0.000	1.208	0.002	1.097	0.002
DEC	91	0.908	0.000	1.214	0.002	1.102	0.002
JAN	92	0.908	0.000	1.219	0.002	1.107	0.002
FEB	92	0.908	0.000	1.225	0.002	1.112	0.002
MAR	92	0.908	0.000	1.230	0.002	1.117	0.002
APR	92	0.908	0.000	1.236	0.002	1.122	0.002
MAY	92	0.908	0.000	1.241	0.002	1.127	0.002
JUN	92	0.908	0.000	1.247	0.002	1.132	0.002
JUL	92	0.908	0.000	1.253	0.002	1.138	0.002
AUG	92	0.908	0.000	1.258	0.002	1.142	0.002
SEP	92	0.908	0.000	1.264	0.002	1.148	0.002
OCT	92	0.908	0.000	1.270	0.002	1.153	0.002
NOV	92	0.908	0.000	1.276	0.002	1.159	0.002
DEC	92	0.908	0.000	1.281	0.002	1.163	0.002
JAN	93	0.908	0.000	1.287	0.002	1.169	0.002
FEB	93	0.908	0.000	1.293	0.002	1.174	0.002
MAR	93	0.908	0.000	1.299	0.002	1.179	0.002
APR	93	0.908	0.000	1.305	0.002	1.185	0.002
MAY	93	0.908	0.000	1.311	0.002	1.190	0.002
JUN	93	0.908	0.000	1.317	0.002	1.196	0.002
JUL	93	0.908	0.000	1.323	0.002	1.201	0.002
AUG	93	0.908	0.000	1.329	0.002	1.207	0.002
SEP	93	0.908	0.000	1.335	0.002	1.212	0.002
OCT	93	0.908	0.000	1.341	0.002	1.218	0.002
NOV	93	0.908	0.000	1.347	0.002	1.223	0.002
DEC	93	0.908	0.000	1.353	0.002	1.229	0.002
JAN	94	0.908	0.000	1.359	0.002	1.234	0.002
FEB	94	0.908	0.000	1.365	0.002	1.239	0.002
MAR	94	0.908	0.000	1.371	0.002	1.245	0.002
APR	94	0.908	0.000	1.377	0.002	1.250	0.002
MAY	94	0.908	0.000	1.384	0.002	1.257	0.002
JUN	94	0.908	0.000	1.390	0.002	1.262	0.002
JUL	94	0.908	0.000	1.396	0.002	1.268	0.002
AUG	94	0.908	0.000	1.403	0.002	1.274	0.002
SEP	94	0.908	0.000	1.409	0.002	1.279	0.002
OCT	94	0.908	0.000	1.415	0.002	1.285	0.002
NOV	94	0.908	0.000	1.422	0.002	1.291	0.002
DEC	94	0.908	0.000	1.428	0.002	1.297	0.002

Table 8.6b (NEW). Normalized and Absolute calibration coefficients for NOAA-12 IR brightness temperatures in Kelvins (AVHRR Channel 4).

Month/Yr	<u>Normalized</u>		<u>Absolute</u>		<u>Total Correction</u>	
	Slope	Intercept	Slope	Intercept	Slope	Intercept
AUG 91	1.038	-11.0	1.000	0.00	1.038	-11.0
:						
:						
DEC 94	1.038	-11.0	1.000	0.00	1.038	-11.0